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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/802,886	03/12/2001	Yuuichi Hirano	204612US2	5686
22850 7:	590 11/08/2002			
OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VA 22202			EXAMINER	
			TRAN, THIEN F	
ARLINGTON, VA 22202			ART UNIT	PAPER NUMBER
			2811	
			DATE MAILED: 11/08/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

Application No. Office Action Summary Description					
Thien F Tran 2811 The MAILING DATE of this communication appears on the cover sheet with the correspondence Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM	address				
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 Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered time. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). 					
1) Responsive to communication(s) filed on					
2a)⊠ This action is FINAL . 2b)□ This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) Claim(s) 1-20 is/are pending in the application.					
4a) Of the above claim(s) <u>2-20</u> is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or election requirement. Application Papers					
9)☐ The specification is objected to by the Examiner.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a					
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.					
If approved, corrected drawings are required in reply to this Office action.					
12)☐ The oath or declaration is objected to by the Examiner.					
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:					
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisio	nal application).				
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 6) Other:					

Application/Control Number: 09/802,886

Art Unit: 2811

DETAILED ACTION

Claim Objections

Claim 1 is objected to because of the following informalities: line 4, "layer." should be --layer;--. Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yamaguchi et al. (USPN 6,118,152) in view of lida et al. (USPN 5,747,846).

Yamaguchi et al. discloses a semiconductor device (Fig. 1) comprising an SOI substrate having a structure in which a semiconductor substrate1, an insulating layer 3 and a semiconductor layer (8, 4) are layered in this order; a partial isolation insulating film (13a) formed in a main surface of said semiconductor layer; a first semiconductor element (transistor Q1) formed in an element formation region defined by said partial isolation insulating film in said semiconductor layer; a ground line 19a; and a first complete isolation insulating film 6 formed throughout a portion below said ground line. Yamaguchi et al. does not explicitly disclose an interlayer insulating film formed on said first semiconductor element and said partial isolation insulating film. However, it is old and well known in the art as disclosed by lida et al. to form an interlayer

Application/Control Number: 09/802,886

Art Unit: 2811

insulating film on the first semiconductor element and the partial isolation insulating film before forming the ground line 19a so that the interlayer insulating film acts as a protection layer covering the transistor Q1 and isolating the gate electrode from being short with the ground line 19a and preventing the gate electrode and the semiconductor layer from being exposed and contaminated with impurities during the fabrication process. Iida et al. discloses an interlayer insulating film 19 formed on a first semiconductor element (Transistor Ts) and a partial isolation insulating film 8. Therefore, forming the conventional feature, an interlayer insulating film on the first semiconductor element and the partial isolation film as a protection insulating layer would have been obvious modification.

Response to Arguments

Applicant's arguments with respect to claim 1 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory

Art Unit: 2811

period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thien F Tran whose telephone number is (703) 308-4108. The examiner can normally be reached on 8:00AM - 4:30PM Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (703) 308-2772. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9318 for regular communications and (703) 872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

November 6, 2002

TOM THOMAS SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800